

What is claimed is:

1. A parabolic reflector antenna including:
- a parabolic reflector being focussed at a focal point along a parabolic axis, the parabolic reflector having a parabolic surface with four rectangular side edges having a rectangular front projection, the four rectangular side edges forming a rectangular rim; and
- at least one truncation wall extending outwardly parallel to the parabolic axis from one of the rectangular side edges.

2. A parabolic reflector antenna as defined in claim 1, further including an antenna feed with phase centre at the focal point of the parabolic reflector.

3. A parabolic reflector antenna as defined in claim 1, wherein the or each wall has a length less than or equal to a maximum axial extent of the rectangular rim.

4. A parabolic reflector antenna as defined in claim 1, wherein the wall is lined with a material that absorbs electromagnetic energy.

5. A parabolic reflector antenna including:
- a parabolic reflector being focussed at a focal point along a parabolic axis, the parabolic reflector having a parabolic surface with four side edges having a square front projection; and
- at least one truncation wall extending outwardly parallel to the parabolic axis from one of the square side edges.

6. A parabolic reflector antenna as defined in claim 5, further including an antenna feed with phase centre on the focal point of the parabolic reflector.

7. A parabolic reflector antenna as defined in claim 5, wherein the or each truncation wall has a length less than or equal to a maximum axial extent of the square rim.

8. A parabolic reflector antenna as defined in claim 5, wherein the truncation wall is lined with a material that absorbs electromagnetic energy.